

## Electric band heaters

### Description

These extremely flexible electric band heaters are used for electric motors and generators. They offer reliable protection against corrosion or frost damage and associated machine failures because they effectively prevent condensation even under extreme climatic conditions.

### Function

The heater is mounted directly in the winding or placed around the winding head. The heat lines can be covered by a glass fibre hose. This hose is used as mechanical protection of the heater. The protection is also necessary when the heat lines are installed in a motor to enable the vacuum impregnation of the motor.

### Material

Heat wire: CuNi- bzw. NiCr  
 Insulation: Silicone/glass fibre/glass fibre hose or Silicone/glass fibre  
 Connection line: Insulation: Teflon, cross section: AWG 20/7  
 Connection length: 500mm  
 Tensile strength:  $\geq 25$  N (connection line/heat wire)  
 Bending radius:  $\geq 10$  mm

### Technical data

Temperature range:  $-40$  °C bis  $+180$  °C  
 Dielectric strength: 2 kV / 50 Hz, 20s  
 Operating voltage: 220V  
 Heating power: 13W, 31W, 56W, 83W, 110W

Order No.	Heating power	Heater length	Voltage
Hz 12,5-220	13 W	250 mm	220V
Hz 25-220	31 W	500 mm	220V
Hz 50-220	56 W	1000 mm	220V
Hz 75-220	83 W	1300 mm	220V
Hz 100-220	110 W	1800 mm	220V

Different heating capacities or band heaters with rated voltage 110V on request.